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Date of Deposit: February 14, 2003

Attorney Docket No. 17549-109

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas C. Prentice et al.

Serial No.: 09/928,112

Filed: August 10, 2001

For: METHOD AND APPARATUS FOR CONTROLLING A DISPENSING
SYSTEM

Examiner: G. Koch

Art Unit: 1734



30623

PATENT TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, DC 20231

TRANSMITTAL LETTER

Sir:

Transmitted herewith for filing in the present application are the following documents:

- ☒ Response to Office Action Dated January 24, 2003; and
- ☒ Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room is respectfully requested to contact the undersigned collect at (617) 542-6000, Boston, Massachusetts.

Although we believe that no fee is due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to the undersigned's account, Deposit Account No. 50-0311, Ref. No. 17549-109. A duplicate copy of this transmittal letter is enclosed.

Respectfully submitted,

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Dated: February 14, 2002

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RESPONSE TO OFFICE ACTION DATED JANUARY 24, 2003

In response to the Examiner's restriction requirement in the Office Action mailed January 24, 2003, Applicants elect without traverse Group I, Claims 1-13 and 22-25, drawn to a dispensing system, classified in class 118, subclass 712.

Also, before examination, please amend the application as follows. A complete set of the elected claims, plus the following new claims is attached to this Response.

In the claims:

Please cancel claims ~~14-21~~ and ~~26-29~~ without prejudice.

Please replace claims ~~1, 9, 13~~, and ~~22~~ with the following replacement claims and add the new claims provided below.

1. (Amended) A dispensing system for accurately dispensing material onto a substrate, the system comprising:

a dispensing element having a metering device that controls a quantity of material dispensed from the dispensing element;

a positioning system coupled to the dispensing element to move the dispensing element over the substrate in accordance with a dispensing velocity profile;

a calibration device having a dish that receives material from the dispensing element during a calibration routine of the dispensing system; and

a controller, coupled to the positioning system, the dispensing element and the calibration device to control operation of the dispensing system, wherein the controller is constructed and arranged to control the positioning system and the dispensing element such that the dispensing

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